Official copy

July 17, 1995

Tennessee Valley Authority
ATTN: Mr. Oliver D. Kingsley, Jr.
President, TVA Nuclear and
Chief Nuclear Officer
6A Lookout Place
1101 Market Street
Chattanooga, TN 37402-2801

SUBJECT: MEETING SUMMARY - WATTS BAR - TO DISCUSS PLANT STATUS AND ASSOCIATED ON-GOING ACTIVITIES

Gentlemen:

This letter refers to the management meeting conducted at our request at the Watts Bar site on July 7, 1995. The purpose of the meeting was to discuss with TVA the Watts Bar plant status and associated on-going activities.

It is our opinion that this meeting was beneficial and provided a better understanding of TVA's activities associated with the Watts Bar facility.

In accordance with Section 2.790 of the NRCs' "Rules of Practice" Part 2, Title 10 Code of Federal Regulations, a copy of this letter and its enclosures will be placed in the Public Document Room.

Should you have any questions concerning this letter, please contact me.

Sincerely,

Original Signed By:
J. P. Jaudon

Johns P. Jaudon, Deputy Director
TVA Construction
Division of Reactor Projects

Docket Nos. 50-390, 50-391
License Nos. CPPR-91, CPPR-92

Enclosures: 1. List of Attendees
2. Presentation Summary

cc w/encls: (See page 2)

250054

IE45

cc w/encls:
Mr. O. J. Zeringue
Senior Vice President
Nuclear Operations
Tennessee Valley Authority
3B Lookout PL
1101 Market ST
Chattanooga, TN 37402-2801

Dr. Mark O. Medford, Vice Pres.
Engineering & Technical Services
Tennessee Valley Authority
3B Lookout Place
1101 Market Street
Chattanooga, TN 37402-2801

Mr. D. E. Nunn, Vice Pres.
New Plant Completion
Tennessee Valley Authority
3B Lookout Place
1101 Market Street
Chattanooga, TN 37402-2801

Mr. J. A. Scalice, Site Vice Pres.
Watts Bar Nuclear Plant
Tennessee Valley Authority
P. O. Box 2000
Spring City, TN 37381

General Counsel
Tennessee Valley Authority
ET 11H
400 West Summit Hill Drive
Knoxville, TN 37902

Mr. P. P. Carier, Manager
Corporate Licensing
4G Blue Ridge
1101 Market Street
Chattanooga, TN 37402-2801

Ms. Beth Zilbert, Energy
Campaigner
Greenpeace
20 13th Street, NE
Atlanta, GA 30309

Mr. Bruce S. Schofield
Site Licensing Manager
Watts Bar Nuclear Plant
Tennessee Valley Authority
P. O. Box 2000
Spring City, TN 37381

TVA Representative
Tennessee Valley Authority
11921 Rockville Pike
Suite 402
Rockville, MD 20852

The Honorable Robert Aikman
County Executive
Rhea County Courthouse
Dayton, TN 37381

The Honorable Garland Lanksford
County Executive
Meigs County Courthouse
Decatur, TN 37322

Mr. M. H. Mobley, Director
Division of Radiological Health
3rd Floor, L and C Annex
401 Church Street
Nashville, TN 37243-1532

Danielle Droitsch
Energy Project
The Foundation for Global
Sustainability
P. O. Box 1101
Knoxville, TN 37901

Ms. Ann Harris
305 Pickel Road
Ten Mile, TN 37880

Mr. James P. Riccio
Public Citizen
4340 Georgetown Square, #612
Atlanta, GA 30338

Distribution w/encls: (See page 3)

Distribution w/encls:
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F. J. Hebdon, NRR
A. P. Hodgdon, OGC
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G. A. Hallstrom, RII
NRC Document Control Desk

U.S. Nuclear Regulatory Commission
Watts Bar Nuclear Plant
1260 Nuclear Plant Road
Spring City, TN 37381

SEND TO PUBLIC DOCUMENT ROOM? YES NO						
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DATE	07/11/95	07/12/95	07/12/95	07/ /95	07/ /95	07/ /95
COPY?	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO

OFFICIAL RECORD COPY DOCUMENT NAME: G:\SEC4B\MTG-SUM.707

LIST OF ATTENDEES

Name	Title
NRC Staff	
W. Russell	Director, Office of Nuclear Reactor Regulation (NRR)
S. Ebneter	Regional Administrator, Region II (RII)
R. Zimmerman	Associate Director of Projects, NRR
G. Tracy	Senior Regional Coordinator, Office of the Executive Director of Operations
M. Thadani	Senior Project Manager, NRR
J. Jaudon	Deputy Director, Division of Reactor Projects (DRP), RII
P. Tam	Senior Project Manager, Project Directorate II-3, NRR
C. Julian	Chief Startup/Operations Branch, DRP, RII
P. Fredrickson	Chief Construction Branch, DRP, RII
P. Vandoorn	Senior Resident Inspector, Operations, DRP, RII
G. Walton	Senior Resident Inspector, Construction, DRP, RII
W. Bearden	Resident Inspector, Construction, DRP, RII
S. Cahill	Resident Inspector, Operations, DRP, RII
TVA Staff	
O. Kingsley	President and Chief Nuclear Officer
M. Medford	Vice President, Engineering Technical Services
O. Zeringue	Senior Vice President, Nuclear Operations
R. Purcell	Plant Manager
R. Baron	Acting Manager, Site Nuclear Assurance and Licensing
B. Schofield	Manager Site Licensing
D. Kehoe	Manager, Site Quality
P. Pace	Manager, Compliance Licensing
R. Mende	Manager, Operations
D. Koehl	Manager, Technical Support
C. Nelson	Outage Manager
J. Rupert	Chief Engineer, Engineering & Materials
M. Bajestani	Manager, Startup and Test Program
W. Elliott	Manager, Engineering
J. Symonds	Manager, Construction Completion
D. Malone	Manager, Audits & Assessments, Nuclear Assurance
K. Harris	Advisor, TVA Board of Directors
J. Vorees	Manager, Licensing/Regulations
C. McIntosh	Project Manager
R. Wiggall	Supervisor, Operation Support
L. Hartley	Coordinator, Maintenance Rule

Enclosure 1

TVA STAFF

J. Earles	Shift Operating Supervisor
J. Yates	Milestone Coordinator, Hot Functional Test 2
J. Staub	Senior Engineer, Site Engineering
M. Salley	Senior Engineer, Site Engineering
R. Huston	Manager, Rockville Office
K. Brown	Senior Electrical Engineer
G. Cage	Assistant to Plant Manager
B. Gregory	Shift Supervisor
R. DeBusk II	Electrician
W. Goff	Boilermaker
E. Vigluicci	Office of General Council
K. Satterlee	Office of General Council
L. Gibb	Secretary, Licensing
D. Hatfield	Steward, Laborers, Plant Services

OTHERS

J. Lyons	News Writter, Monroe County
R. Higgins	Reporter, Chattanooga Time

NRC/TVA

MANAGEMENT MEETING

JULY 7, 1995

Enclosure 2

AGENDA

JULY 7, 1995

I.	INTRODUCTION	O. ZERINGUE
II.	HFT2 TECHNICAL ISSUES	W. ELLIOTT
III.	HFT2 READINESS	D. KOEHL
IV.	ELECTRICAL ISSUES	K. BROWN
V.	MAINTENANCE RULE	D. NELSON
VI.	CAP/SP STATUS	R. McINTOSH
VII.	LICENSING STATUS	B. SCHOFIELD
VIII.	NUCLEAR ASSURANCE	D. KEHOE
IX.	CLOSING REMARKS	O. ZERINGUE

I. INTRODUCTION

O. ZERINGUE

II. HFT2 TECHNICAL ISSUES

W. ELLIOTT

RHR PUMPS

- PROBLEM
  - B TRAIN PUMP DAMAGED TWICE DURING HFT

- CAUSE
  - EXCESSIVE AMOUNTS OF GAS/AIR IN THE SYSTEM
  - SUBJECTED PUMP TO EXTREME THERMAL TRANSIENTS
  - UPPER WEAR RING CLEARANCES SET AT LOW END OF ALLOWABLE BANDS

- RECURRENCE CONTROLS/CORRECTIVE ACTIONS
  - REVISED VENTING PROCEDURES TO MINIMIZE/GAS IN SYSTEM
  - THERMAL TRANSIENT LIMITS PROVIDED FOR OPERATING PROCEDURES
  - SET UPPER WEAR RING CLEARANCES AT VENDOR RECOMMENDED VALUES
  - PUMPS TO BE RETESTED DURING HFT2

AUXILIARY FEEDWATER TURBINE DRIVEN PUMP

- PROBLEM
  - SEVERAL PROBLEMS ENCOUNTERED DURING HFT

- PROBABLE CAUSE
  - STEAM LEAK AT SHAFT SEAL
  - PROBLEMS WITH DRAIN TRAPS BETWEEN THE DRAIN TANK AND THE ROOM SUMP

- RECURRENCE CONTROLS/CORRECTIVE ACTIONS
  - REPLACED TURBINE SHAFT SEALS
  - RECONFIGURED LOW PRESSURE TRAPS
  - SEALED THE ROOM SUMP
  - STRENGTHEN PM PROGRAM FOR TRAPS AND TURBINE CONTROL
  - PUMPS TO BE RETESTED DURING HFT2

III. HFT2 READINESS

D. KOEHL

HOT FUNCTIONAL TEST 2 (HFT2) READINESS

- ROOM/AREA TURNOVERS TO PLANT
  - 94% COMPLETE - FOUR ROOMS REMAIN TO BE COMPLETED PRIOR TO HFT2

- SYSTEM PREOPERABILITY CHECKLIST/TURNOVERS TO PLANT
  - 100 % COMPLETE - ALL SYSTEMS REQUIRED FOR HFT2 TURNED OVER TO THE PLANT

- WORK CONTROL PLAN ESTABLISHED
  - COMMUNICATING TO EMPLOYEES IN TEAM MEETING
  - INCLUDED IN HFT2 HANDBOOK
  - COMMUNICATED THROUGH MANAGEMENT MEETINGS

- ACCESS CONTROL PLAN ESTABLISHED
  - COMMUNICATED TO EMPLOYEES IN SAME MANNER AS WORK CONTROL PLAN

- LCO TRACKING ESTABLISHED
  - SYSTEMS THAT ARE TECHNICAL SPECIFICATION RELATED ARE TRACKED IN LCO TRACKING LOG
  - LCO TRACKING LOG WILL BE UTILIZED FROM HFT2 ON THROUGH FUEL LOAD

HOT FUNCTIONAL TEST 2 (HFT2) READINESS

- REFERENCE BOOK ESTABLISHED
  - CONTAINS QUICK REFERENCE TO:
    - PROGRAM PLAN
    - TEST SCHEDULE
    - WORK CONTROL PLAN
    - ACCESS CONTROL PLAN
    - OPERATIONAL READINESS ASSESSMENT PLANS
    - DEPARTMENTAL OPERATIONAL READINESS SUMMARIES
    - PLANT STATUS/EXCEPTIONS TO NORMAL OPERATION DURING HFT2
    - OPERATIONS DEPARTMENT GUIDELINES DURING HFT2
    - SYSTEM OPERABILITY DURING HFT2

- OPERATIONS PERSONNEL TRAINING
  - RHR PUMP TRAINING

- PLANT PERSONNEL RESPONSIBLE FOR HFT2

- TEST RESULTS CLOSURE

PLANT STATUS
WBN U1
SYSTEM AND ROOM ACCEPTANCE/TURNOVER SUMMARY

SYSTEMS	COMPLETE	ACTUAL TO GO	NEXT WEEK PLAN	PLAN TO GO	TOTAL
HFT2 SYSTEMS	113	0	0	0	113
POST HFT2 SYSTEMS	11	10	3	10	21

ROOMS	COMPLETE	ACTUAL TO GO	NEXT WEEK PLAN	PLAN TO GO	TOTAL
HFT2 ROOMS	64	4	4	4	68
FUEL LOAD ROOMS	133	160	12	160	293
POST FUEL LOAD ROOMS	6	88	4	88	94

IV. ELECTRICAL ISSUES

K. BROWN

CABLE DAMAGE AT TERMINATIONS AND SPLICES - UPDATE

BACKGROUND

- NICKS, CUTS, RING CUTS AND ABRASIONS FOUND AT TERMINATIONS AND SPLICES
- SOME DAMAGE DURING EQUIPMENT MAINTENANCE ACTIVITIES
- CABLE CONSTRUCTION STYLE A FACTOR DURING TERMINATION/SPLICING
- NO FURTHER SPECIAL V1/V2 INSPECTIONS DUE TO LOW DAMAGE RATE
- CONTINUE 100% INSPECTION OF V3/V4 10CFR50.49 TERMINATIONS SPLICES IN HARSH AREAS
- CONCERN FOR IMPACT OF INVASIVE REPAIRS ON SYSTEM TESTING
- DEVELOPED HEAT-SHRINKABLE TAPE (NWRT) FOR SMALL WIRES
- UPGRADING ENVIRONMENTAL QUALIFICATION OF NJRT TO MEET WBN REQUIREMENTS
- QUALIFICATION TESTS UNDERWAY FOR BOTH TAPES

CABLE DAMAGE AT TERMINATIONS AND SPLICES - UPDATE

SUMMARY RESULTS - ALL CATEGORIES (VISUAL INSPECTIONS)

INSPECTION CATEGORY	MAY 24, 1995	JUNE 28, 1995
NO DAMAGE	2409 80.8 %	3680 83.07 %
COSMETIC "DAMAGE"	286 9.6 %	392 8.85 %
PARTIAL-WALL DAMAGE REQUIRING REPAIR	274 9.2 %	341 7.70 %
THROUGH-WALL DAMAGE	12 0.4 %	17 0.38 %
TOTAL	2981	4431

- NO SIGNIFICANT CHANGE IN DAMAGE RATE

CABLE DAMAGE AT TERMINATIONS AND SPLICES - UPDATE

- EVALUATION BY VOLTAGE LEVEL

INSPECTION CATEGORY		MAY 24, 1995	JUNE 28, 1995
V1/V2 (visual)	TOTAL NO.	595	749
	PARTIAL-WALL	4 0.7 %	4 0.6 %
	THROUGH-WALL	0 0 %	0 0 %
V3	TOTAL NO.	2195	2964
	PARTIAL-WALL	235 10.7 %	235 8 %
	THROUGH-WALL	12 0.5 %	16 0.5 %
V4	TOTAL NO.	191	268
	PARTIAL-WALL	35 18%	42 16 %
	THROUGH-WALL	0 0 %	0 0 %
V1/V2 (X-Ray)	TOTAL NO.	236	236
	PARTIAL-WALL	2 0.9 %	2 0.9 %
	THROUGH-WALL	0 0 %	0 0 %

- NO SIGNIFICANT CHANGE IN DAMAGE RATE

- CONFIRMS ORIGINAL CONCLUSIONS

CABLE DAMAGE AT TERMINATIONS AND SPLICES - UPDATE

- REMAINING WORK
  - INSPECTIONS/CORRECTIVE ACTIONS COMPLETE BY SEPTEMBER 1995
  - 5 YEAR NWRT TEST COMPLETED SUCCESSFULLY; REPORT BY MID-JULY 1995
  - 5 YEAR NJRT TEST TO FINISH END OF JULY - REPORT BY MID-AUGUST 1995
  - 20 AND 40 YEAR TESTS TO FINISH SEPTEMBER 1995 - REPORT BY END OF SEPTEMBER 1995
- STATUS FOR HFT2
  - COMPLETED INSPECTION AND REPAIRS IN CONTAINMENT, ANNULUS, MSVVs, AND CONTROL BUILDING AREAS
  - WILL COMPLETE INSPECTIONS AND REPAIRS IN AUXILIARY BUILDING OF ALL MOTOR OPERATED VALVES (MOVs) AND ALL HFT2 REQUIRED CIRCUITS
  - NO IMPACT ON HFT2 TESTING

TERMINAL LUGS - UPDATE

- BACKGROUND
  - IMPROPER CRIMPS FOUND ON 10 AWG AND SMALLER LUGS
  - WALKDOWNS IDENTIFIED VARIOUS CONFIGURATIONS
  - WORKED WITH VENDOR TO IDENTIFY MECHANISMS
  - PREPARED SPECIMENS AND PERFORMED TESTS ON IDENTIFIED TYPES PER UL486
  - UNACCEPTABLE CONFIGURATIONS IDENTIFIED BY TEST
- SCOPE ASSESSMENT AND REPAIR
  - WALKDOWN OF OVER 18,000 TERMINATIONS COMPLETE
  - LESS THAN 0.6 % REQUIRED REWORK
  - TERMINATED SPECIAL EVALUATIONS DUE TO LOW RATE AND LACK OF SAFETY SIGNIFICANCE
  - LUG REPLACEMENT COMPLETE THIS WEEK

V. MAINTENANCE RULE

D. NELSON

MAINTENANCE RULE

- WBN MAINTENANCE RULE APPROACH AND PLAN FOR COMPLIANCE

- TVAN/WBN RULE IMPLEMENTATION PLAN AND PROGRAM DOCUMENTS

- WBN PROGRESS TO DATE AND COMPLETION PLAN

- ON LINE MAINTENANCE MANAGEMENT

MAINTENANCE RULE

- WBN MAINTENANCE RULE APPROACH

  - IDENTIFICATION OF STRUCTURES, SYSTEM, TRAINS AND COMPONENTS (SSCS) WITHIN SCOPE OF RULE

  - USE OF PERFORMANCE CRITERIA TO MEASURE ACCEPTABILITY OF PERFORMANCE OF SSCS WITHIN THE REGULATORY SCOPE.

  - USE OF HISTORICAL PLANT DATA AND INDUSTRY DATA WHERE APPLICABLE

  - APPLICATION OF REGULATORY GUIDE 1.160, REVISION 0 (6/93), PART D GUIDANCE

- WBN PLAN FOR COMPLIANCE

  - WBN OPTIONS FOR ADDRESSING PLANT HISTORICAL DATA

  - WBN PLAN FOR COMPLIANCE

    - WBN HISTORICAL AND PREOP TEST DATA
    - SQN DATA/INDUSTRY EXPERIENCE

MAINTENANCE RULE

- WBN PROGRAM AND CURRENT STATUS

  - TVAN/WBN PROGRAM DOCUMENTS

    - WB SSP-12.61 CURRENTLY IN USE FOR TRAINING AND EFFECTIVE JULY 1996

    - TVAN MAINTENANCE RULE PROGRAM MANUAL TO PROVIDE COMMON BASIS FOR ALL THREE SITES

    - TI-119 WILL PROVIDE SPECIFIC PERFORMANCE MONITORING

  - SSC IDENTIFICATION COMPLETED - SCOPING PERFORMED AT SYSTEM FUNCTION OR TRAIN LEVEL PRIMARILY.

    - 112 WBN SYSTEM FUNCTIONS ARE WITHIN THE SCOPE OF THE MAINTENANCE RULE.

    - 75 OF THE 112 ARE SCOPED DUE TO BEING SAFETY RELATED.

  - PERFORMANCE MONITORING PROGRAM UNDER DEVELOPMENT.

    - RISK SIGNIFICANT - SPECIFIC CRITERIA

    - NON-RISK SIGNIFICANT - PLANT LEVEL PERFORMANCE

    - RECONCILE QUANTITATIVE PERFORMANCE CRITERIA AGAINST IPE ASSUMPTIONS AND SEQUOYAH ACTUALS.

  - PROGRAM IMPLEMENTATION DETAIL SCHEDULE DEVELOPED, INCLUDING VALIDATION, AND ON TRACK FOR FULL COMPLIANCE BY JULY 10, 1996.

MAINTENANCE RULE

- WBN ON LINE MAINTENANCE SAFETY ASSESSMENT

  - 12 WEEK ROLLING MAINTENANCE SCHEDULE WILL BE PRIMARY TOOL FOR ORGANIZING AND SCHEDULING ON-LINE MAINTENANCE.

  - EACH WEEK OF THE 12 WEEK ROLLING SCHEDULE WILL HAVE A SAFETY ASSESSMENT PERFORMED FOR RISK IMPLICATIONS AND ADJUSTED AS NECESSARY.

  - PURPOSE OF THE SAFETY ASSESSMENT IS TO STRUCTURE THE SCHEDULE SO AS TO MINIMIZE HIGH RISK COMBINATIONS OF EQUIPMENT OUT-OF-SERVICE AND IDENTIFY POTENTIAL COMPENSATORY ACTIONS.

- WBN ON-LINE MAINTENANCE MATRIX

  - FOR RISK SIGNIFICANT FUNCTIONS TO BE REMOVED FROM SERVICE, THE FOLLOWING GUIDANCE WILL BE PROVIDED BASED ON PROBABILISTIC SAFETY ANALYSES (PSA):

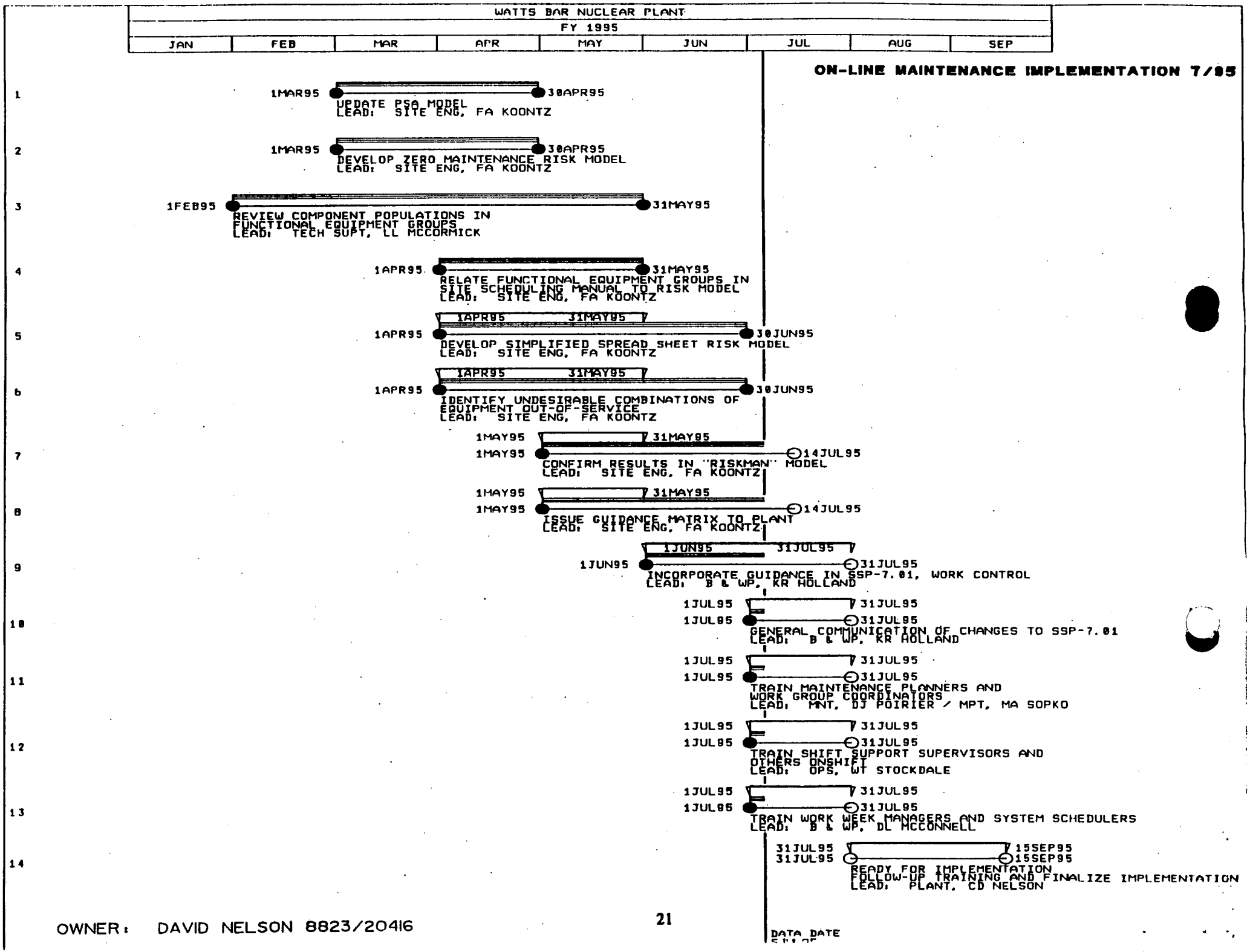
    - EQUIPMENT WHICH SHOULD NOT BE REMOVED FROM SERVICE AT SAME TIME

    - POTENTIAL COMPENSATORY MEASURES

    - KEY PLANT TRANSIENT EVENTS

  - SSP-7.01 MATRIX UNDER DEVELOPMENT BY ENGINEERING

  - READINESS FOR IMPLEMENTATION BY FUEL LOAD


WATTS BAR NUCLEAR PLANT
FY 1995
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP
ON-LINE MAINTENANCE IMPLEMENTATION 7/95
1
1MAR95
30APR95
UPDATE PSA MODEL
LEAD: SITE ENG, FA KOONTZ
2
1MAR95
30APR95
DEVELOP ZERO MAINTENANCE RISK MODEL
LEAD: SITE ENG, FA KOONTZ
3
1FEB95
31MAY95
REVIEW COMPONENT POPULATIONS IN
FUNCTIONAL EQUIPMENT GROUPS
LEAD: TECH SUPT, LL MCCORMICK
4
1APR95
31MAY95
RELATE FUNCTIONAL EQUIPMENT GROUPS IN
SITE SCHEDULING MANUAL TO RISK MODEL
LEAD: SITE ENG, FA KOONTZ
5
1APR95
31MAY95
1APR95
30JUN95
DEVELOP SIMPLIFIED SPREAD SHEET RISK MODEL
LEAD: SITE ENG, FA KOONTZ
6
1APR95
31MAY95
1APR95
30JUN95
IDENTIFY UNDESIRABLE COMBINATIONS OF
EQUIPMENT OUT-OF-SERVICE
LEAD: SITE ENG, FA KOONTZ
7
1MAY95
31MAY95
1MAY95
14JUL95
CONFIRM RESULTS IN "RISKMAN" MODEL
LEAD: SITE ENG, FA KOONTZ
8
1MAY95
31MAY95
1MAY95
14JUL95
ISSUE GUIDANCE MATRIX TO PLANT
LEAD: SITE ENG, FA KOONTZ
9
1JUN95
31JUL95
1JUN95
31JUL95
INCORPORATE GUIDANCE IN SSP-7.01, WORK CONTROL
LEAD: B & WP, KR HOLLAND
10
1JUL95
31JUL95
1JUL95
31JUL95
GENERAL COMMUNICATION OF CHANGES TO SSP-7.01
LEAD: B & WP, KR HOLLAND
11
1JUL95
31JUL95
1JUL95
31JUL95
TRAIN MAINTENANCE PLANNERS AND
WORK GROUP COORDINATORS
LEAD: MNT, DJ POIRIER / MPT, MA SOPKO
12
1JUL95
31JUL95
1JUL95
31JUL95
TRAIN SHIFT SUPPORT SUPERVISORS AND
OTHERS ONSHIFT
LEAD: OPS, WT STOCKDALE
13
1JUL95
31JUL95
1JUL95
31JUL95
TRAIN WORK WEEK MANAGERS AND SYSTEM SCHEDULERS
LEAD: B & WP, DL MCCONNELL
14
31JUL95
15SEP95
31JUL95
15SEP95
READY FOR IMPLEMENTATION
FOLLOW-UP TRAINING AND FINALIZE IMPLEMENTATION
LEAD: PLANT, CD NELSON
DATA DATE
OWNER: DAVID NELSON 8823/20416

VI. CORRECTIVE ACTION PROGRAM (CAP) AND SPECIAL PROGRAM (SP) STATUS

R. McINTOSH

OPEN CAPs/SPs
SUMMARY STATUS OF SELECTED PRINCIPAL COMMODITIES

MECHANICAL/CIVIL CAP/SPs	PRINCIPAL COMMODITY	TOTAL SCOPE[1]	TO GO[1] (5/24/95)	TO GO[1] (7/2/95)	% TO GO[1,2]
CABLE TRAY AND CT SUPPORTS	CABLE TRAYS (LF)[3] SUPPORTS	120,000 430	70,000 70	60,000 40	50% 9.3%
CONDUIT AND CONDUIT SUPPORTS	SUPPORTS 1E DISCREPANCY	1,700 32,000	20 23,000	5 12,900	0.2% 40.3%
EQPT. SEISMIC QUALIFICATION	COMPONENT FIELD WALKDOWNS/EVAL.	19,000	0	0	0%
HAAUP CAP	SUPPORTS	8,300	10	5	0.06%
INSTRUMENT LINES	LINES (LF) HANGERS	19,000 5,200	0 180	0 50	0% 0.96%
ELECTRICAL CAP/SPs					
CABLE ISSUES	CABLE FOOTAGE	660,000	35,000	21,800	3.3%
ELECTRICAL ISSUES	FLEX CONDUIT CABLE TRAY WP'S[3]	8,000 170	800 140	800 140	10% 82%
ENVIRONMENTAL QUALIFICATION	INITIAL BINDERS	81	1	0	0%
MECHANICAL EQPT. QUALIFICATION	INITIAL BINDERS	1	0	0	0%
DESIGN RELATED CAP/SPs					
DBVP CAP	COMMITMENTS CONF. CNTRL DWGS	13,000 1,200	219 0	166 0	1.3% 0%
FIRE PROTECTION	FIRE DOORS PENETRATION SEALS	160 5,503	38 198	38 57	24% 1%
MODERATE ENERGY LINE BREAK	CONDUITS TO BE SEALED	1,800	1,500	1,500	83%
RADIATION MONITORING	INITIAL COMPONENT TESTS	372	109	82	22%
REPLACEMENT ITEMS	TVA ITEM ID CODES	139,203	201	97	0.07%
VENDOR INFORMATION	VENDOR TECHNICAL MANUALS	470	0	0	0%

[1]NUMBERS ARE APPROXIMATE
[2]DATA AS OF 7/2/95
[3]FIELD WALKDOWNS

COMPLETED SINCE 5/24/95 MEETING

CONTAINMENT COOLING
CRDR
HVAC DUCT AND DUCT SUPPORTS

CAP[redacted]s IMPLEMENTATION AN[redacted]OSURE

- FIELD VERIFICATION
  - CONTINUING FOLLOWUP INDICATES GOOD WORK COMPLETION
  - OPEN ITEM CLOSURE REVIEWS POSITIVE
- RECENT ASSESSMENTS
  - 21 PROGRAM ASSESSMENTS COMPLETED OR IN PROCESS FROM MAY TO PRESENT
  - NO SIGNIFICANT ISSUES
  - POSITIVE RESULTS
- OPERATIONAL READINESS WINDOWS REPORT
  - SATISFACTORY RESULTS
  - PROGRAMS ARE EFFECTIVELY IMPLEMENTING AND CLOSING OBJECTIVES
- NUCLEAR ASSURANCE CONCLUSIONS
  - COMPLETED REVIEW OF ALL PROGRAMS AREAS FOR INITIAL VERIFICATIONS
  - NO NEW ISSUES
  - FOLLOWUP AND VERIFICATION CONTINUING WITH POSITIVE RESULTS

OPEN CAPs/SPs
NRC EFFECTIVE IMPLEMENTATION INSPECTIONS

MECHANICAL/CIVIL CAP/SPs	INSPECTION SCHEDULE/PLAN
CABLE TRAY AND CT SUPPORTS	8/95
CONDUIT AND CONDUIT SUPPORTS	8/95
EQPT. SEISMIC QUALIFICATION	7/31-8/4/95
HAAUP CAP	7/24-28/95
INSTRUMENT LINES	8/95
ELECTRICAL CAP/SPs	
CABLE ISSUES	Monthly Construction Resident Inspection
ELECTRICAL ISSUES	Monthly Construction Resident Inspection
ENVIRONMENTAL QUALIFICATION	7/17-28/95
MECHANICAL EQPT. QUALIFICATION	7/17-28/95
DESIGN RELATED CAP/SPs	
DBVP CAP	7/10-21/95
FIRE PROTECTION	7/10-21/95, 8/95
MODERATE ENERGY LINE BREAK	7/10-24/95
RADIATION MONITORING	8/95
REPLACEMENT ITEMS	7/17-28/95
VENDOR INFORMATION	7/17-21/95, 7/31-8/4/95

VII. LICENSING STATUS

B. SCHOFIELD

LICENSING

- OPEN ITEMS
  - TOTAL - 171
  - TVA - 96
- NRR REVIEW ITEMS
  - TOTAL - 18
  - TVA - 9
- REMAINING ISSUES:
  - FIRE PROTECTION
  - SPLICE/CABLE DAMAGE REPAIR QUALIFICATION
  - GENERIC LETTER 89-10 REVIEW
  - GENERIC SAFETY ISSUE REVIEW
  - CAP/SP CLOSURES

VIII. NUCLEAR ASSURANCE

D. KEHOE

IDI STATUS

- EXPERIENCED TEAM
  - A/E DESIGN EXPERIENCE
  - PRIOR "VERTICAL SLICE " REVIEW INVOLVEMENT
  - SUPPLEMENTAL EXPERTISE UTILIZED
- EXTENSIVE SCOPE
  - DESIGN
  - CONSTRUCTION
  - MAINTENANCE
  - OPERATIONS
- RESULTS TO DATE
  - NO SIGNIFICANT TECHNICAL ISSUES
  - COMPARISON TO PREVIOUS VERTICAL SLICE REVIEWS

MAINTENANCE PERFORMANCE EVALUATION PROGRAM (PEP)

- STRENGTHS
  - PREDICTIVE MAINTENANCE
  - SUPPORT GROUP INTERFACES
  - MEASURING AND TEST EQUIPMENT
- IMPROVEMENTS NEEDED
  - POST MAINTENANCE TEST
  - MANAGEMENT/SUPERVISOR OVERSIGHT
  - WORK ORDER PLANNING
  - FAILURE TO INITIATE CORRECTIVE ACTION DOCUMENTS
- CONCLUSION
  - REQUIRED ACTIONS IDENTIFIED
  - NUCLEAR ASSURANCE TO FOLLOW IMPLEMENTATION

MAINTENANCE PERFORMANCE EVALUATION PROGRAM (PEP)

- SIMILARITY TO NRC MAINTENANCE INSPECTION

  - POST MAINTENANCE TEST

  - VENDOR TECH MANUAL UPDATE

  - SENSITIVITY TO INITIATION OF PERs

  - NE/MAINTENANCE INTERFACE

CORRECTIVE ACTION PROGRAM

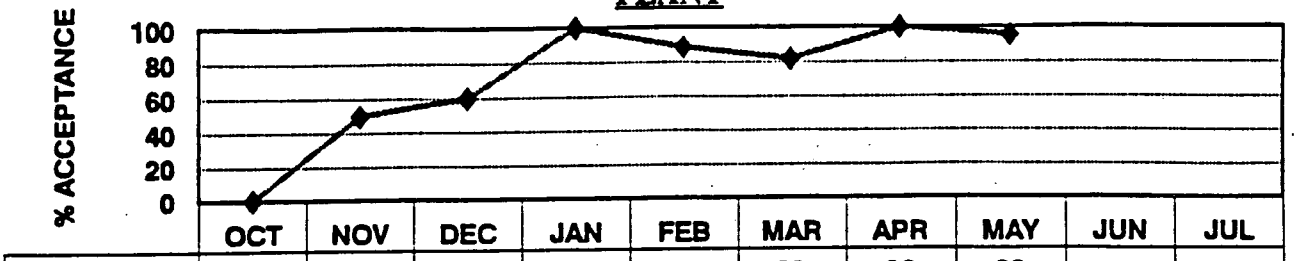
- CURRENT PROGRAM IS ACCEPTABLE

- ADDITIONAL ACTIONS TO DEMONSTRATE PLANT ACCEPTANCE OF CORRECTIVE ACTION PROGRAM

- NEW PROGRAM IMPLEMENTATION BETWEEN FUEL LOAD AND COMMERCIAL OPERATIONS

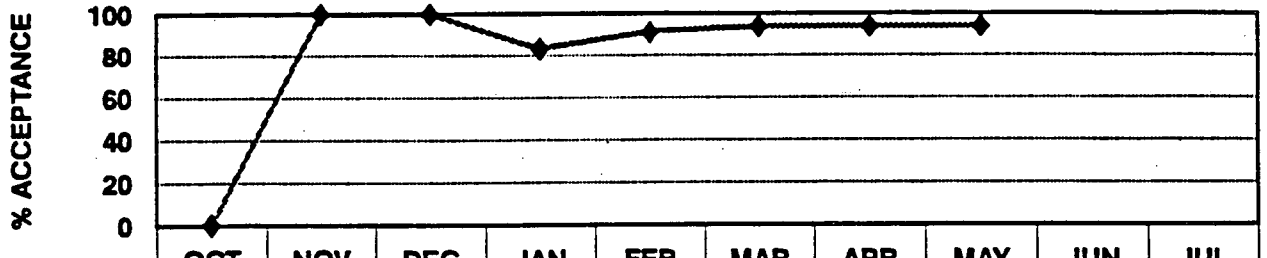
CORRECTIVE ACTION PROGRAM
CURRENT PROGRAM

PLANT



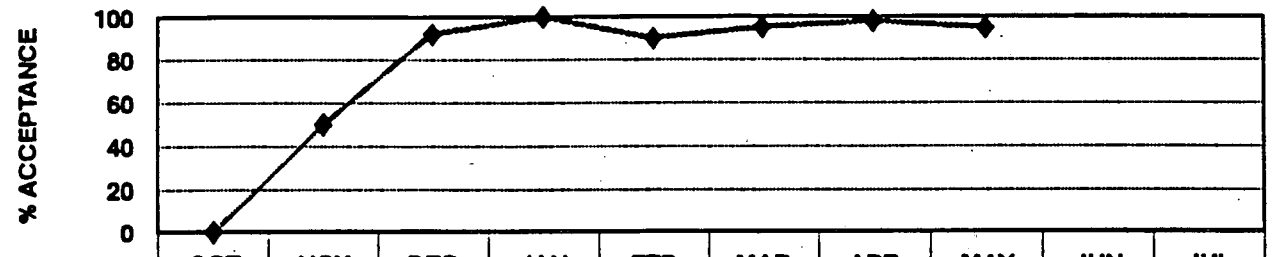
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL
REVIEWED	4	4	10	9	26	22	26	23		
ACCEPTED	0	2	6	9	23	18	26	22		

NUCLEAR ENGINEERING AND MATERIALS



	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL
REVIEWED	8	3	3	6	34	48	49	48		
ACCEPTED	0	3	3	5	31	45	46	45		

PLANT COMPLETIONS GROUP



	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL
REVIEWED	12	12	12	19	62	49	43	38		
ACCEPTED	0	6	11	19	56	47	42	36		

PROBLEMS IN 1994	PERFORMANCE CHANGES IN 1995
INADEQUATE FIELD VERIFICATIONS	DOCUMENTED MORE THOROUGH REVIEWS OF ACTUAL WORK PERFORMED
WEAK DOCUMENTATION	CLEARER, MORE CONCISE CLOSURE PACKAGES
LACK OF OWNERSHIP	INDIVIDUAL OWNERSHIP OF EACH PACKAGE
SHALLOW CAUSE DETERMINATION	MORE QUESTIONING ATTITUDE
WEAK EXTENT OF CONDITION BASIS	EXTENT OF CONDITIONS BASED ON CAUSE(S)
TECHNICAL PROBLEMS	ADMINISTRATIVE ISSUES
UNCLEAR MANAGEMENT EXPECTATIONS	INCREASED DIRECT MANAGEMENT INVOLVEMENT IN PROCESS

WBN OVERALL FUEL LOAD READINESS

PROCESS	Sep-94	Oct-94	Nov-94	Dec-94	Jan-95	Feb-95	Mar-95	Apr-95	May-95	Jun-95
CHEMISTRY	W	W	W	W	W	W	W	W	W	W
RADIATION PROTECTION	W	W	W	W	W	W	W	W	W	W
EMERGENCY PREPAREDNESS	G	W	W↑	G	G	G	G	G	G	G
SECURITY	W	W	W	W↑	W↑	W↑	W	W	W	W
INDUSTRIAL SAFETY	W	W↓	W↓	W	W	W	W	W↑	W↓	W
DOCUMENT CONTROL	Y	Y↑	W	W	W	W	W	W↓	W	W
MAINTENANCE	Y	Y↓	Y	Y↑	Y↑	Y↑	Y	Y↑	Y↑	Y
PLANT COMPLETIONS	W	W	W↓	Y	Y↓	Y↓	Y	Y↑	W	W
MODIFICATIONS	R	R	R↑	See Note 1						
CAPs & SPECIAL PROJECTS	R	R↑	R	R	R	Y	Y	Y↑	Y↑	W
OPERATIONS	W	W↓	W↓	W	W	W	W↓	W	W	W
FIRE PROTECTION	Y	Y	Y↑	Y↑	Y	Y	Y↑	Y↑	W	W
OUTAGE MANAGEMENT		See Note 2						W	W↓	W
WORK CONTROL & SCHEDULING	Y	Y	Y	Y↑	Y↑	Y	Y	Y	Y	Y
MATERIAL MANAGEMENT	W	W	W	W	W	W	W	W	W	W
STATION ORG AND ADMIN		See Note 2					W	W	W	W
LICENSING	R	R↑	R↑	R↑	Y	Y	See Note 3			
OPERATING EXPERIENCE REVIEW		See Note 2					Y	Y	Y↑	W
SITE NUCLEAR ASSURANCE	R	R	Y	Y	Y↑	Y↑	See Note 4			
STARTUP AND TEST	W↓	W↓	W↓	W	W	W↓	W	W	W	W
ENGINEERING SUPPORT	See Note 2			Y↑	Y↑	Y	Y	Y↑	W	W
NUCLEAR ENGINEERING	R	R	R↑	See Note 5						
TECHNICAL SUPPORT	Y	Y	Y	See Note 6						
TRAINING	W	W	W	W	W	W	W	W	W	W

R	Y	W	G	Improving ↑
Significant Weakness	Improvement Needed	Satisfactory	Significant Strength	Declining ↓

Note 1 - Modifications and Plant Completions combined to form one organization

Note 2 - First time evaluation for this process area

Note 3 - Licensing was incorporated into Station Org and Admin

Note 4 - Site Nuclear Assurance was incorporated into Operating Experience Review

Note 5 - Nuclear Engineering was incorporated into Engineering Support

Note 6 - Technical Support was incorporated into Engineering Support

JUN95FLR.XLS

7/5/95

IX. CLOSING REMARKS

O. ZERINGUE